



DEPARTMENT OF HEALTH & HUMAN SERVICES

COMMITTED TO CARING

PUBLIC HEALTH SERVICE

Indian Health Service

Memorandum

Date: August 13th, 2017

From: James Carter, District Engineer, EADO

Subject: Amendment No. 2 to the Project Summary, Project PH 15-U76

To: Eric Matson, Director DSFC, Phoenix Area Indian Health Service 

This memorandum shall serve as Amendment No. 2 to the Project Summary for Project PH 15-U76, Hopi Indian Reservation.

In August of 2015, the Hopi Tribe, First Mesa Consolidated Villages (FMCV), and Indian Health Service (IHS) entered a Memorandum of Agreement to perform the work defined in the Project Summary for Project PH 15-U76, Hopi Arsenic Mitigation Project (HAMP) and Polacca West Tank Replacement. Funding for the project was provided by the Environmental Protection Agency (EPA) through Safe Drinking Water Act Tribal Set Aside (SDWA-TSA) funds. The original project scope proposed to replace the existing deficient 200,000 gallon Polacca West Tank with a 250,000 gallon water storage tank including piping and appurtenances for the FMCV.

A significant amount of the additional costs associated with the PH 15-U76 scope can be attributed to cost overruns associated with EPA SDWA-TSA funded Project PH 08-D71 per Amendment No. 1. The intent was for EPA to contribute additional funds to restore removed line items in PH 15-U76 per Amendment No. 1, which is what this Amendment No. 2 provides. Some of the line items have been combined so as to combine functionality of several proposed underground facilities and a water sampling building into one above ground building per the attached cost estimate. Additionally, some other line items have increased in cost to match more recent actual costs on similar facilities per the attached cost estimate.

This Amendment No. 2 to Project PH 15-U76 revises the original scope of work to match Amendment No. 1 and updated projected costs. An additional \$299,000 is being provided by EPA SDWA-TSA to complete the project. Of the total amended cost of \$299,000.00, \$292,642.73 is the Maximum Contribution to the Tribe, \$-7,021.97 is for IHS Project Technical Support, and \$13,379.24 is for IHS Engineering Program Support. The additional funds brings the Project PH 15-U76 total to \$999,000 per the attached revised cost estimate.

Schedule A: Project Planning & Design (PDP Based)

Item	Description	Quantity	Units	Units Cost	Total
4	Geotechnical Investigation	1	LS	\$ 8,500.00	\$ 8,500.00
				Planning & Design Total:	\$ 8,500.00

Schedule B: Construction

Item	Description	Quantity	Units	Units Cost	Total
1	8" Water Main, 235 PSI rated	2460	LF	\$ 40.00	\$ 98,400.00
3	West Tank Yard Piping	1	LS	\$ 45,000.00	\$ 45,000.00
7	250,000 Gallon Bolted Glass-Fused-To-Steel Water Storage Tank	250000	GAL	\$ 1.25	\$ 312,500.00
8	Cathodic Protection	1	LS	\$ 10,000.00	\$ 10,000.00
9	Power Line Extension	1	LS	\$ 18,000.00	\$ 18,000.00
10	Chain Link Fence	1	LS	\$ 25,000.00	\$ 25,000.00
11	Demolish Existing 200,000 Gallon Water Storage Tank and Abandon Site	1	LS	\$ 31,000.00	\$ 31,000.00
12	Replace Existing 8,000 Gallon Water Storage Tank	1	LS	\$ 64,000.00	\$ 64,000.00
13	Temporary water for duration of project (Mesa Top Scope)	1	LS	\$ 16,000.00	\$ 16,000.00
14	Additional 4" insulated HDPE pipe on mesa side	505	FT	\$ 127.24	\$ 64,258.08
15	Air Relief Valve	1	LS	\$ 2,500.00	\$ 2,500.00
16	Precast Concrete Water Utility Building with Altitude Valve, Water Sampling Ports, Meters, and Site Grading	1	LS	\$ 85,000.00	\$ 85,000.00
				Construction Total:	\$ 771,658.08

Planning & Design Total (Schedule A)	\$ 8,500.00	
Construction Total (Schedule B)	\$ 771,658.08	
Post Construction Total (Schedule C)	\$ -	
Contingency (Schedules A, B, & C)	\$ 78,015.81	10.00% increased from 5%
Subtotal	\$ 858,173.89	
TERO/Tribal Tax	3%	\$ 25,745.22
Tribal Procurement 1=YES, 0=NO	1	
Tribal Administrative Support Fee		\$ 19,413.48
Subtotal Tribal Fees		\$ 45,158.69
IHS Project Technical Support (PTS) Fee per Project Summary		\$ 59,376.00
IHS PTS Fee on Amendment #2		\$ (7,021.97)
IHS Engineering Program Support (EPS) Fee per Project Summary		\$ 29,688.00
IHS EPS on Amendment #2		\$ 13,379.24
Subtotal IHS Fees		\$ 95,421.27
Total Project Cost		\$ 998,753.85
Rounded Maximum Contribution to Tribe		\$ 903,578.73
PTS		\$ 52,354.03
EPS		\$ 43,067.24
Use Total Cost of		\$ 999,000.00

COST SUMMARY	PS Original	Amendment #1	Amendment #2	Total
Maximum Contribution to the Tribe	\$610,936.00	\$0.00	\$292,642.73	\$903,578.73
Project Technical Support	\$59,376.00	\$0.00	\$7,021.97	\$62,354.03
Engineering Program Support	\$29,688.00	\$0.00	\$13,379.24	\$43,067.24
Total	\$700,000.00	\$0.00	\$299,000.00	\$999,000.00
FUNDING SUMMARY	PS Original	Amendment #1	Amendment #2	Total
EPA SDWA TSA	\$700,000.00	\$0.00	\$299,000.00	\$999,000.00